

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims.

1-9. (Canceled).

10. (Currently Amended) An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of: against the polypeptide of claim 8.

- (a) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 1 (SEQ ID NO: 1);
- (b) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 3 (SEQ ID NO: 5);
- (c) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 4 (SEQ ID NO: 6);
- (d) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 5 (SEQ ID NO: 8);
- (e) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 6 (SEQ ID NO: 10);
- (f) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 7 (SEQ ID NO: 12);
- (g) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 11 (SEQ ID NO: 19);
- (h) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 12 (SEQ ID NO: 21);
- (i) a protein encoded by a human gene having a coding portion at least a 90% identical to the DNA of Figure 13 (SEQ ID NO: 22)

11-26. (Canceled).

27. (New) An isolated antibody or fragment thereof selected from the group consisting of:

- (I) an isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:

- (a) a protein whose an amino acid sequence is at least 90 % to the deduced amino acid sequence as set forth in Figure 9 (SEQ ID NO:16);
- (b) a protein comprising the amino acid sequence as set forth in Figure 9 (SEQ ID NO:16);
- (c) a protein whose an amino acid sequence is at least 90 % to the amino acid sequence consisting of amino acids 2 to 323 as set forth in Figure 9 (SEQ ID NO:16);
- (d) a protein comprising an amino acid sequence consisting of amino acids 2 to 323 as set forth in Figure 9 (SEQ ID NO:16);
- (e) a protein whose amino acid sequence consists of at least 30 contiguous amino acids of SEQ ID NO:16;
- (f) a protein whose amino acid sequence consists of at least 50 contiguous amino acids of SEQ ID NO:16; and
- (g) a protein encoded by the human cDNA contained in ATCC Deposit No. 97102;

(II) an isolated antibody or fragment thereof obtained from an animal that has been immunized with a protein selected from the group consisting of:

- (h) a protein whose an amino acid sequence is at least 90 % to the deduced amino acid sequence as set forth in Figure 9 (SEQ ID NO:16);
- (i) a protein comprising the amino acid sequence as set forth in Figure 9 (SEQ ID NO:16);
- (j) a protein whose an amino acid sequence is at least 90 % to the amino acid sequence consisting of amino acids 2 to 323 as set forth in Figure 9 (SEQ ID NO:16);
- (k) a protein comprising the amino acid sequence consisting of amino acids 2 to 323 as set forth in Figure 9 (SEQ ID NO:16);
- (l) a protein whose amino acid sequence consists of at least 30 contiguous amino acids of SEQ ID NO:16;
- (m) a protein whose amino acid sequence consists of at least 50 contiguous amino acids of SEQ ID NO:16; and

(n) a protein encoded by the human cDNA contained in ATCC Deposit No. 97102.

28. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (a).

29. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (b).

30. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (c).

31. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (d).

32. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (e).

33. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (f).

34. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (g).

35. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (h).

36. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (i).

37. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (j).

38. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (k).
39. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (l).
40. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (m).
41. (New) The antibody or fragment thereof of claim 27 that specifically binds protein (n).
42. (New) The antibody or fragment thereof of claim 27 wherein said protein bound by said antibody or fragment thereof is glycosylated.
43. (New) The antibody or fragment thereof of claim 27 wherein said antibody or fragment thereof is selected from the group consisting of:
 - (a) a human antibody or fragment thereof;;
 - (b) a chimeric antibody or fragment thereof;
 - (c) a humanized antibody or fragment thereof;
 - (d) a single chain antibody; and
 - (e) a Fab fragment.
44. (New) The antibody or fragment thereof of claim 27 wherein said antibody or fragment thereof is monoclonal.
45. (New) The antibody or fragment thereof of claim 27 wherein said antibody or fragment thereof is polyclonal.
46. (New) The antibody or fragment thereof of claim 27 which is labeled.

47. (New) The antibody or fragment thereof of claim 27 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot or ELISA.